



Partners in RF & Microwave

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MACOM Extends its Wired Broadband Leadership Position with High Performance Family of Baluns

Ranging from 5MHz to 1700 MHz the devices boast excellent temperature stability and are ideal for CATV and MoCA applications

LOWELL, Mass.--(BUSINESS WIRE)-- M/A-COM Technology Solutions Inc. ("MACOM"), a leading supplier of high performance RF, microwave, and millimeter wave products, today announced a family of eight new baluns for CATV MoCA applications. The devices are available as surface mount and are ideal for real estate constrained customers. Boasting excellent temperature stability and broadband performance, these devices are lead free and RoHS compliant.

"This family has been designed specifically for customers requiring a high performing transformer balun for wired broadband applications" said Graham Board, Product Manager, Networks. "The family enables customers to design a broad range of applications of different frequency ranges using a diverse range of impedances. These baluns offer high current handling in a small outline package with less than 3.8 x 3.8 mm in size on average".

These baluns are available on Tape and Reel and can be assembled using surface mount capability. They are all RoHS compliant, lead-free and compatible with a 260°C reflow temperature profile. Excellent temperature stability is a strong feature of these baluns and most can be used in either 75 Ω or 50 Ω systems.

The table below outlines typical performance:

Part Number	Frequency (MHz)	Insertion Loss(dB)	Impedance Ratio	Phase Balance	Amplitude Balance
MABA-011002	5-200	0.8	4:1	0.6	0.3
MABA-011013	45-1200	0.7	1:1	2.0	0.2
MABA-011014	45-1200	0.9	1:1	2.0	1.1
MABA-011015	45-1200	1.7	1:2.78	5.0	0.3
MABA-011028	600-1700	0.3	1:1	1.0	0.1
MABA-011030	46-1002	0.1	1:1	2.4	0.8
MABA-011031	5-1200	0.2	1:1	5.0	0.7
MABA-011032	40-1000	1	1:3	11.0	0.5

Production quantities and samples of these balun devices are available from stock. Final datasheets and additional product information can be obtained from the MACOM website at: www.macom.com

M/A-COM Technology Solutions Holdings, Inc. (www.macom.com) is a leading supplier of high performance analog RF, microwave, and millimeter wave products that enable next-generation Internet and modern battlefield applications. Recognized for its broad catalog portfolio of technologies and products, MACOM serves diverse markets, including high speed optical, satellite, radar, wired & wireless networks, CATV, automotive, industrial, medical, and mobile devices. A pillar of the semiconductor industry, we thrive on more than 60 years of solving our customers' most complex problems, serving as a true partner for applications ranging from RF to Light.

Headquartered in Lowell, Massachusetts, M/A-COM Tech is certified to the ISO9001 international quality standard and ISO14001 environmental management standard. M/A-COM Tech has design centers and sales offices throughout North America, Europe, Asia and Australia.

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For more information about MACOM, please visit www.macom.com follow [@MACOMtweets](https://twitter.com/MACOMtweets) on Twitter; join MACOM on [LinkedIn](https://www.linkedin.com/company/macom), or visit the MACOM [YouTube Channel](#).

FOR SALES INFORMATION, PLEASE CONTACT:

North Americas -- Phone: 800.366.2266

Europe -- Phone: +353.21.244.6400

India -- Phone: +91.80.43537383

China - Phone: +86.21.2407.1588

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Media Contacts:

M/A-COM Technology Solutions Inc.

Husrav Billimoria, 978-656-2896

Husrav.Billimoria@macom.com

or

Rainier Communications

Jessie Glockner, 508-475-0025 x140

jglockner@rainierco.com

or

embedded PR

Gerlinde Knoepfle, +49 (0)89 64913634-12

gk@embedded-pr.de

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